

Tu et al. N Engl J Med 2020; 383:494-496

| test | Aandoening nasopharynx | | | |
|-------|------------------------|----------|---------|-----|
| | pos | neg | | |
| nasal | pos | 47 | 1 | 48 |
| | neg | 3 | 447 | 450 |
| | | 50 | 448 | 498 |
| | sens % | 94 | | |
| | spec % | 99.77679 | | |
| | prev % | 10.04016 | | |
| | fout neg % | 6 | 6 | |
| | fout pos % | 0.22371 | 0.22321 | |

| Test | aandoening | | |
|------|------------|---------|-----|
| | aanwezig | afwezig | |
| Test | pos | a | b |
| | neg | c | d |
| | | a+c | b+d |

$$\text{sens} = a/(a+c)$$

$$\text{spec} = d/(b+d)$$

$$\text{prevalentie} = (a+c)/(a+b+c+d)$$

$$\text{fout neg} = c/(a+c) = 1 - \text{sens}$$

$$\text{fout pos} = b/(b+d) = 1 - \text{spec}$$

Pere et al. Clin Microbiol 2020

| test | Aandoening nasopharynx | | | |
|-------|------------------------|----------|----------|----|
| | pos | neg | | |
| nasal | pos | 33 | 0 | 33 |
| | neg | 4 | 7 | 11 |
| | | 37 | 7 | 44 |
| | sens % | 89.18919 | | |
| | spec % | 100 | | |
| | prev % | 84.09091 | | |
| | fout neg % | 10.81081 | 10.81081 | |
| | fout pos % | 0 | 0 | |

a+b
c+d
a+b+c+d